

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. Cancelled.
2. (currently amended) The ~~apparatus~~system of claim ~~1,11~~, wherein said plurality of joists are bar joists.
3. (currently amended) The ~~apparatus~~system of claim ~~1,11~~, wherein said plurality of joists are open-web joists.
4. (currently amended) The ~~apparatus~~system of claim ~~1,11~~, wherein said plurality of joists are shaped-steel.
5. (currently amended) The ~~apparatus~~system of claim ~~1,11~~, further comprising a suspension connector operatively attached to at least one of said plurality of hubs.
6. (currently amended) The ~~apparatus~~system of claim ~~1,11~~, further wherein said plurality of joists and plurality of hubs are capable of being articulated from a first position to a second position.
7. (currently amended) The ~~apparatus~~system of claim ~~1,11~~, wherein said plurality of hubs include a plurality of openings configured to receive said plurality of joists.
8. (currently amended) The ~~apparatus~~system of claim 7, wherein said plurality of openings include at least one
slot.
9. (currently amended) The ~~apparatus~~system of claim ~~1,11~~, further comprising said work platform.
10. (currently amended) The ~~apparatus~~system of claim 5, wherein said suspension connector is a chain.
11. (currently amended) A work platform support system comprising:

a plurality of joists; and

a plurality of hubs;

wherein the plurality of joists comprises four joists and wherein the plurality of hubs comprises four hubs;

wherein: i) one of the joists and two of the hubs are stationary; ii) two of the joists are rotatable; and iii) two of the hubs and one of the joists are translatable; and

wherein the two rotatable joists, the two translatable hubs, and the one translatable joist can articulate with respect to the stationary joist and the stationary hubs so as to receive a work platform.

12. Cancelled.

13. (currently amended) ~~A device for interconnecting with~~The system of claim 11,
~~wherein at least one joist of a work platform supports a system comprising~~of the hubs comprises:

a first surface with a first set of openings;

a second surface substantially parallel to said first surface, said second surface having a second set of openings; and

a structural element interspersed between said first surface and said second surface, wherein at least one of said first set and said second set of openings is adapted to provide an articulation of said device when interconnected with said at least one joist.

14. (currently amended) The ~~device~~system of claim 13, wherein said first surface is substantially planar.

15. (currently amended) The ~~device~~system of claim 13, wherein said second surface is substantially planar.

16. (currently amended) The ~~device~~system of claim 13, wherein said structural element is a cylinder.

17. (currently amended) The ~~device~~system of claim 13, wherein said structural element is a right circular cylinder.

18. (currently amended) The ~~device~~system of claim 17, wherein a longitudinal axis of said right circular cylinder is normal to said first surface and said second surface.

19. (currently amended) The ~~device~~system of claim 13, wherein said first surface and said second surface

interconnect with said at least one joist.

20. (currently amended) The ~~device~~system of claim 13, wherein one of said first surface and said second surface includes a support opening, wherein said support opening is configured to receive an attachment means.

21. (currently amended) The ~~device~~system of claim 20, wherein said attachment means is a chain.

22. (currently amended) The ~~device~~system of claim 20, wherein said support opening includes a slot.

23. (currently amended) A work platform system comprising:

at least ~~one~~four hub mechanisms;

at least ~~one~~four joist mechanisms, each of the four joist mechanisms interconnected with said ~~at least one~~two of the four hub mechanisms; and

~~at least one section formed from said at least one hub and said at least one joist, wherein said at least one section can be articulated from a first position into a second position, further wherein said at least one section is capable of supporting without failure its own weight and at least about four times the maximum intended load applied or transmitted to it.~~

wherein: i) one of the joist mechanisms and two of the hub mechanisms are stationary; ii) two of the joist mechanisms are rotatable; and iii) two of the hub mechanisms and one of the joist mechanisms are translatable; and

wherein the two rotatable joist mechanisms, the two translatable hub mechanisms, and the one translatable joist mechanism can articulate with respect to the stationary joist mechanism and the stationary hub mechanisms so as to receive a work platform.

24. (currently amended) A work platform system for suspending a work platform from a structure, said

system comprising:

a plurality of joists;

at least one hub ~~of a plurality of hubs~~ for interconnecting at least two of said plurality of joists ~~wherein said at least two joists may articulate;~~ and

a suspension connector for suspending ~~said system from said structure~~ at least one of the plurality of joists and at least one of the plurality of hubs from a structure;

wherein the plurality of joists comprises four joists and wherein the plurality of hubs comprises four hubs;

wherein: i) one of the joists and two of the hubs are stationary; ii) two of the joists are rotatable; and iii) two of the hubs and one of the joists are translatable; and

wherein the two rotatable joists, the two translatable hubs, and the one translatable joist can articulate with respect to the stationary joist and the stationary hubs so as to receive a work platform.

25. Cancelled.

26. (currently amended) A method of installing a work platform support system with respect to a structure, the method comprising:

providing a plurality of joists; and a plurality of hubs, the plurality of joists comprising four joists and the plurality of hubs comprising four hubs;

providing at least one hub; — pivotally attaching at least one hub to said plurality of joists; and suspending said at least one hub from said structure. pivotally attaching the plurality of hubs to the plurality of joists such that: i) one of the joists and two of the hubs are stationary; ii) two of the joists are rotatable; and iii) two of the hubs and one of the joists are translatable; and

articulating the two rotatable joists, the two translatable hubs, and the one translatable joist with respect to the stationary joist and the stationary hubs so as to receive a work platform.

27. Cancelled

28. (currently amended) The method of claim ~~27,26~~, wherein ~~said attaching and the~~ articulating does not require any hoisting equipment.

29. (currently amended) The method of claim ~~27,26~~, wherein ~~said attaching and the~~ articulating is completed in a cantilevered manner.

30. (new) A work platform structure comprising:

a first hub connected in fixed relation to a second hub using a first joist; and

a third hub connected to a fourth hub using a second joist, the third and the fourth

hubs further connected to the first and the second hubs using third and fourth joists;

wherein the second, the third and the fourth joists, and the third and the fourth hubs articulate with respect to the first and second hubs and the first joist to receive and support a work platform.

31. (new) The work platform of claim 30 wherein at least one of the second, the third and the fourth joists rotates with respect to at least one of the first hub and the second hub.

32. (new) The work platform of claim 30 wherein at least one of the second, the third and the fourth joists translates with respect to at least one of the first joist, the first hub and the second hub.

33. (new) The work platform of claim 30 wherein at least one of the second, the third and the fourth joists pivots with respect to at least one of the third hub and the fourth hub.

34. (new) A work platform structure comprising:

a first pair of hubs connected in fixed relation to each other using a first joist; and
a second pair of hubs connected to each other using a second joist, the second pair of hubs further connected to the first pair of hubs using third and fourth joists;
wherein the second, the third and the fourth joists and the second pair of hubs articulate with respect to the first pair of hubs and the first joist to receive and support a work platform.

35. (new) The work platform of claim 34 wherein the second joist, the third joist or the fourth joist rotates with respect to the first hub or the second hub.

36. (new) The work platform of claim 35 wherein the second joist, the third joist or the fourth joist translates with respect to the first joist, the first hub or the second hub.

37. (new) The work platform of claim 36 wherein the second joist, the third joist or the fourth joist pivots with respect to the third hub or the fourth hub.

38. (new) A work platform structure comprising:

a first hub and joist assembly comprising pair of hubs connected in fixed relation to each other using a first joist; and

a second hub and joist assembly comprising a pair of hubs connected to each other using a second joist, the pair of hubs further connected to third and fourth joists;
wherein the second hub and joist assembly articulates with respect to the first hub and joist assembly to receive and support a work platform.

39. (new) The work platform of claim 38 wherein at least one of the second, the third and the fourth joists rotates with respect to at least one of the first hub and the second hub;
wherein at least one of the second, the third and the fourth joists translates with respect to at least one of the first joist, the first hub and the second hub; and wherein at least one of the second, the third and the fourth joists pivots with respect to the third hub and the fourth hub.

40. (new) A work platform structure comprising:

a stationary first joist having fixed first and second hubs connected thereto;

a rotatable second joist connected to either the first or the second hub,
a rotatable third joist connected to the other of the first or the second hub;
a third hub connected to either the rotatable second joist or the rotatable third joist and
a fourth hub connected to the other of the second or the third joist; and
a fourth joist connected to the third and the fourth hubs;

wherein the second, third and fourth joists and the third and fourth hubs together articulate with respect to the stationary first joist and fixed first and second hubs from an initial position to a final position in which a work platform can be received and supported.

41. (new) The work platform structure of claim 40 wherein the second joist, the third joist or the fourth joist translates with respect to the first joist, the first hub or the second hub.

42. (new) The work platform of claim 41 wherein the second joist, the third joist or the fourth joist pivots with respect to the third hub or the fourth hub.

43. (new) A work platform structure comprising:

a first hub and joist assembly comprising a stationary first joist and a pair of hubs connected to the first joist; and

a second hub and joist assembly comprising a rotatable second joist, a rotatable third joist and a translatable fourth joist, the second, third and fourth joists connected together using a pair of hubs;

wherein at least two of the three joists of the second hub and joist assembly are connected to the hubs of the first hub and joist assembly; and

wherein the second hub and joist assembly articulates with respect to the first hub and joist assembly in order to receive and support a work platform.

44. (new) The work platform structure of claim 43 wherein the second joist, the third joist or the fourth joist pivots with respect to the third hub or the fourth hub.

45. (new) In a work platform structure comprising a first hub connected in fixed relation to a second hub using first joist and a third hub connected to a fourth hub using a second joist, the third and the fourth hubs further connected to the first and the second hubs using third and fourth joists, a method of making a work platform structure, the method comprising:

articulating the second, the third and the fourth joists, and the third and the fourth hubs with respect to the first and second hubs and the first joist, from an initial position to a final position to receive and support a work platform.

46. (new) The method of claim 45 wherein the articulating further comprises rotating at least one of the second, the third and the fourth joists with respect to the at least one of the first hub and the second hub.

47. (new) The method of claim 45 wherein the articulating further comprises translating at least one of the second, the third and the fourth joists with respect to at least one of the first joist, the first hub and the second hub.

48. (new) The method of claim 45 wherein the articulating further comprises pivoting at least one of the second, the third and the fourth joists with respect to the third hub and the fourth hub.

49. (new) A method of assembling a work platform, the method comprising:

providing an articulatable work platform assembly comprising a plurality of hub mechanisms and a plurality of joist mechanisms connected to the plurality of hub mechanisms;

articulating the articulatable work platform assembly from an initial position to a final position, the articulating including at least one of rotating and translating one or more of the plurality of joist mechanisms with respect to one or more of the plurality of hub mechanisms;

connecting a suspension mechanism to the articulated work platform assembly in the final position; and

suspending the work platform assembly in its final position from a structure to secure the articulated work platform assembly.

50. (new) The method of claim 49 wherein the articulating includes cantilevering one or more of the plurality of joist mechanisms with respect to one or more of the hub mechanisms.

51. (new) The method of claim 50 wherein the providing, articulating, installing and suspending are performed at least twice so as to assemble a work platform.

52. (new) The method of claim 49 wherein the providing, articulating, installing and suspending are performed at least twice so as to assemble a work platform.